Roadstar®

Service Manual - DVD-2017H

DVD-2017H

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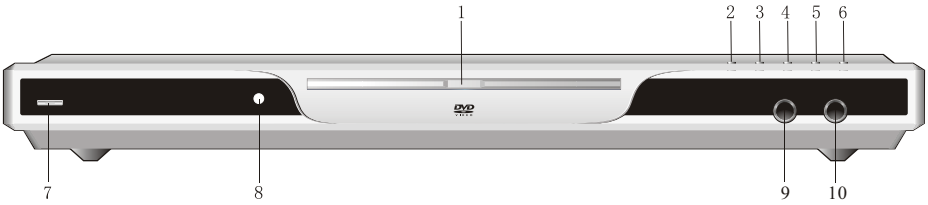
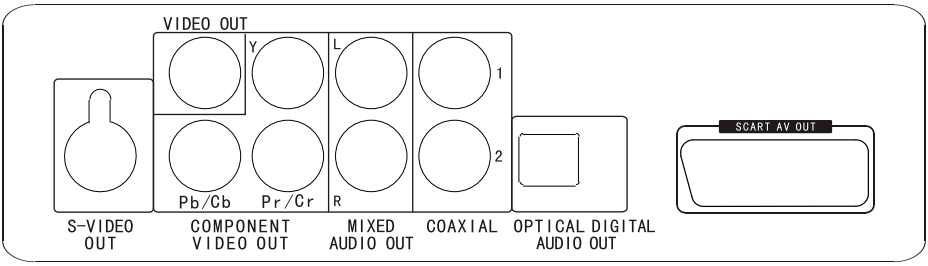
1. User Interface

Front Panel:



1. Disc Tray
2. Open/Close Button
3. Play Button
4.Stop Button
5.PREV Button
6. Next Button
7. Power Button
8. Remote Control Sensor
9.MIC Jack 1
10.MIC Jack 2

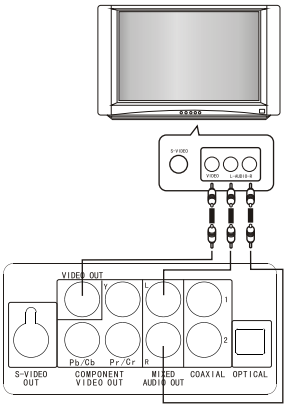
Back Panel Ports:*(The SCART AV OUT port is optional)*



Connect with TV

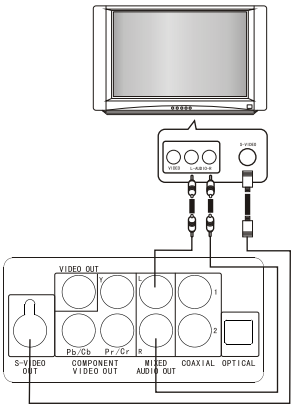
1.Normal Connection

Connect the player and the appropriate port of TV set with video/audio wire, as indicated in the right picture:



2.Connect with S-video Terminal

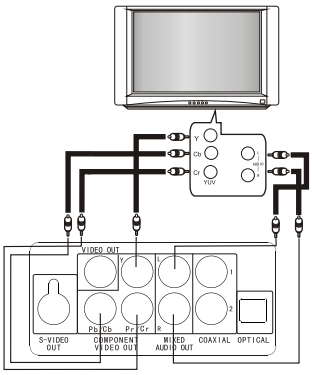
Connect one end of the S-video wire with S-video output socket on DVD back-panel and another with the S-video input socket of the TV, and then connect audio wire with the TV.



3.Connect with YUV (Y Pb/Cb Pr/Cr) Terminal

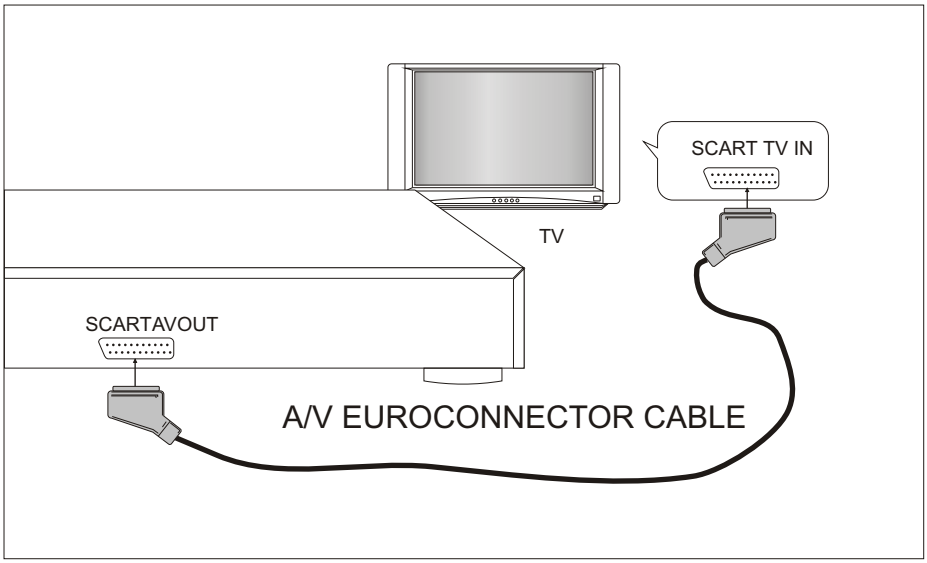
Connect the Y, Pb/Cb, Pr/Cr jacks on the disc player and the corresponding jacks on the TV with audio cord. After that, connect disc player to TV with audio cord.

For a Progressive Scanning TV set, press the PS key on the remote control after DVD has read the disc. Then, the DVD player will shift to the progressive output mode and there may be no picture on the TV screen. You can recover the picture by shifting the video mode of the TV set to the progressive scanning one.



If your player has the "SCART AV OUT" connector, please connect with your TV as below:

(This content is optional)

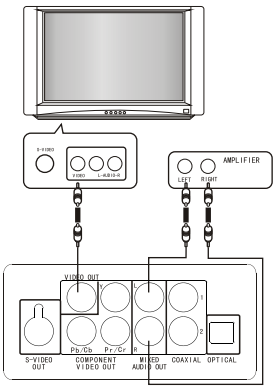


** After connect "Scart AV out" on the player with "Scart TV in" on the TV set, set up the play mode as "RGB"state, then it will out put normally.*

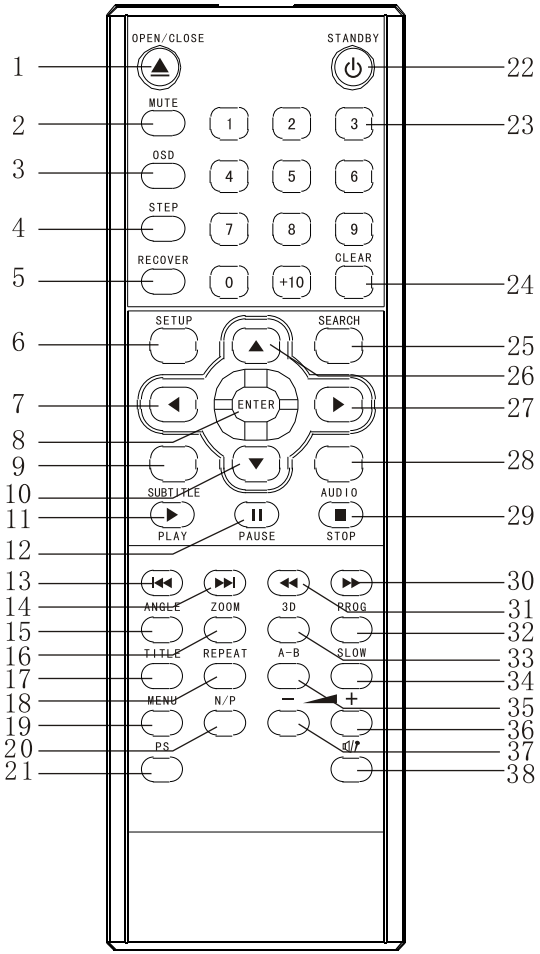
Connect with AV Power Amplifier

1.Connect with the dual-channel power amplifier.

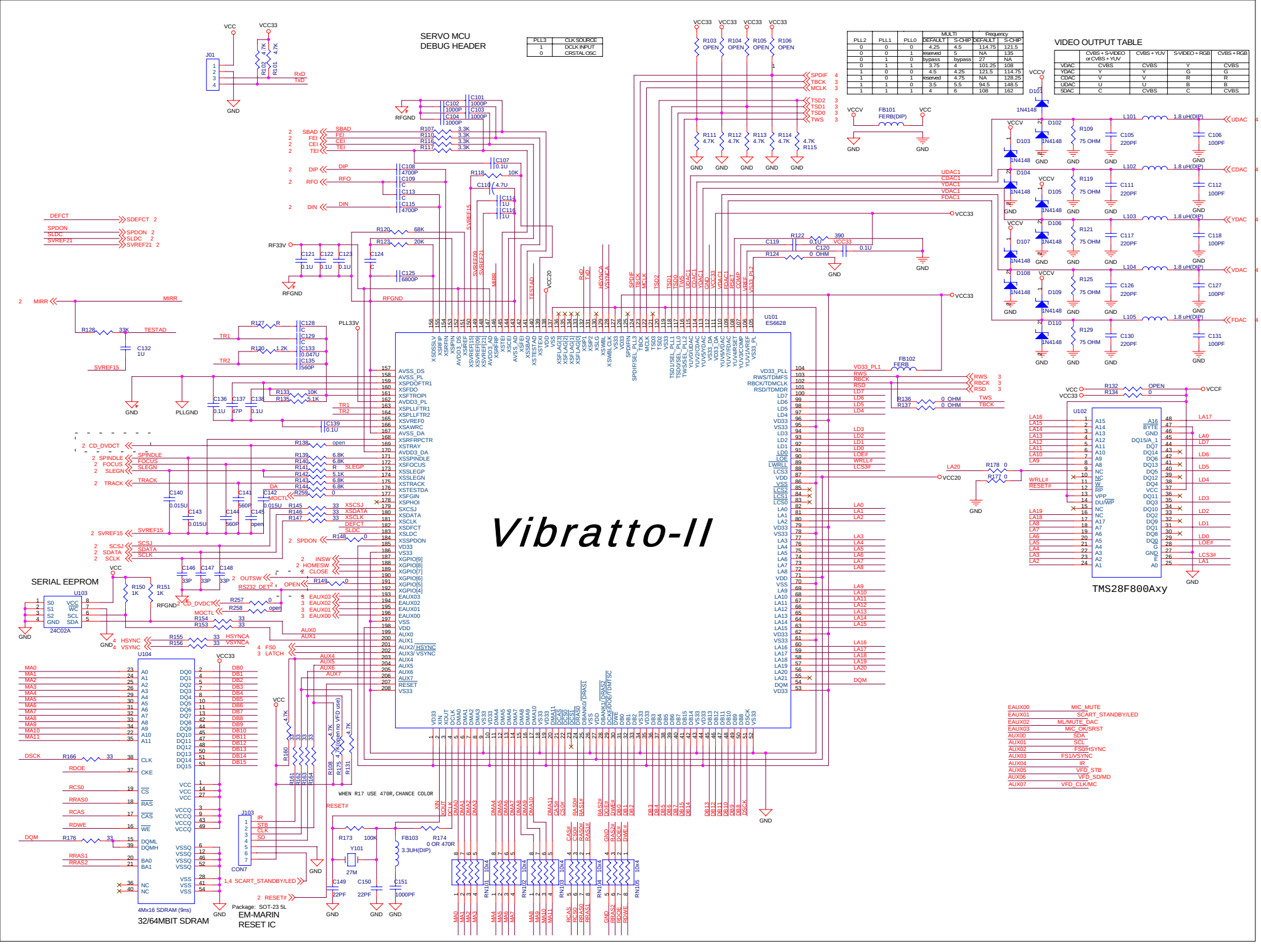
The specific connection is indicated as follows.



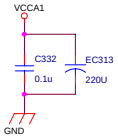
Remote Control

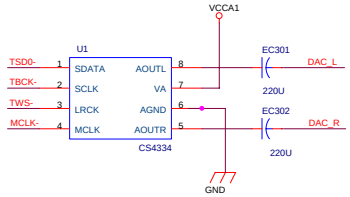


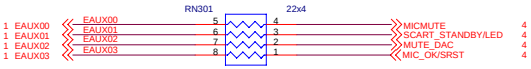
1.Open/Colse Button
2.Mute Button
3.OSD Button
4.Step Button
5.Recover Button
6.Setup Button
7.Left Button
8.Enter Button
9.Subtitle Button
10.Down Button
11.Play Button
12.Pause Button
13.Previous Button
14.Next Button
15.Angle Button
16.Zoom Button
17.Title Button
18.Repeat Button
19.Menu Button
20.N/P Button
21.PS Button
22.Standby Button
23.Numeric Button
24.Clear Button
25.Search Button
26.Up Button
27.Right Button
28.Audio(L/R) Button
29.Stop Button
30.Fast Forward Button
31.Fast Reverse Button
32.PROG Button
33.3D Button
34.Slow Motion Button
35.A-B Repeat Button
36.Volume Control(+) Button
37.Volume Control(-) Button
38.Karaoke Button

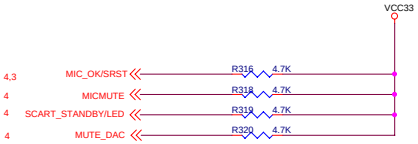

SERVO MCU
DEBUG HEADER
VIDEO OUTPUT TABLE
Vibratto-II
U101
ES6628
TMS28F800Axy
U102
U103
24C02A
SERIAL EEPROM
U104
32/64MBIT SDRAM
4Mx16 SDRAM (9ns)
EM-MARIN
RESET IC
Package: SOT-23 5L
J01
J103
CON7
Y101
27M
FB101
FERB(DIP)
FB102
FERB
FB103
3.3UH(DIP)
SPDIF
TBCK
MCLK
TSD2
TSD1
TSD0
TWS
UDAC1
CDAC1
YDAC1
VDAC1
FDAC1
RWS
RBCK
RSD
TWS
TBCK
LD0
LD1
LD2
LD3
LD4
LD5
LD6
LD7
LOE#
WRLL#
LCS3#
LA0
LA1
LA2
LA3
LA4
LA5
LA6
LA7
LA8
LA9
LA10
LA11
LA12
LA13
LA14
LA15
LA16
LA17
LA18
LA19
LA20
LA21
DQM
RESET#
HSYNCA
VSYNCA
SCSJ
SDATA
SCLK
SLEGN
TRACK
FOCUS
SPINDLE
SDEFCT
SPDON
SLDC
SVREF21
MIRR
TESTAD
DEFCT
SBAD
FEI
CEI
TEI
DIP
RFO
DIN
RXD
TXD
EAUX00
EAUX01
EAUX02
EAUX03
AUX00
AUX01
AUX02
AUX03
AUX04
AUX05
AUX06
AUX07
MIC_MUTE
SCART_STANDBY/LED
ML/MUTE_DAC
MIC_OK/SRST
SDA
SCL
FS0/HSYNC
FS1/VSYNC
IR
VFD_STB
VFD_SD/MD
VFD_CLK/MC
WHEN R17 USE 470R,CHANCE COLOR

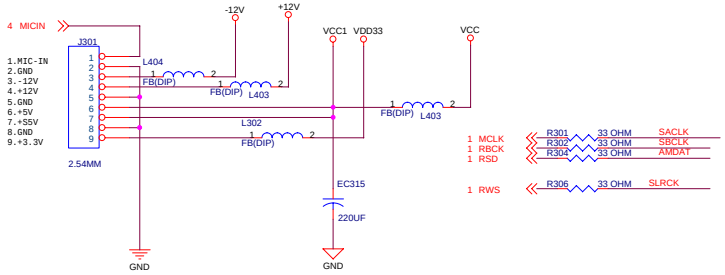
2-CHANNEL AUDIO OUT

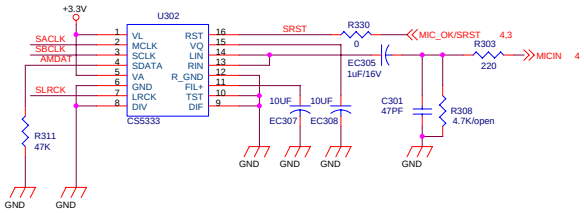




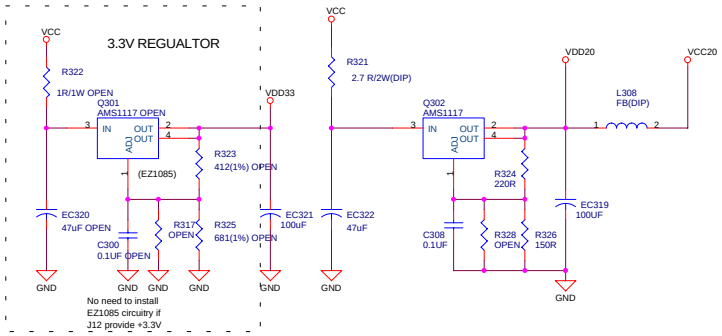


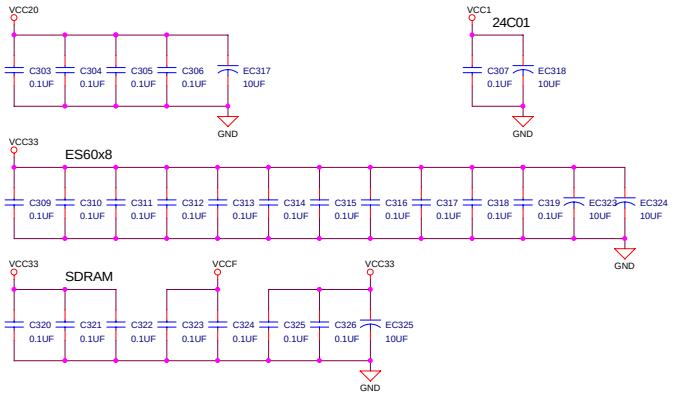


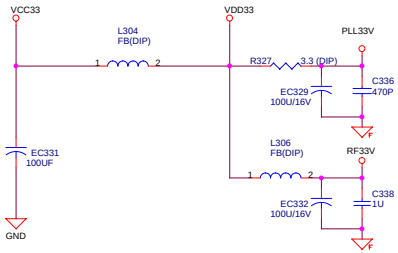


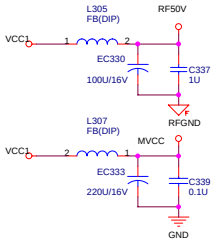


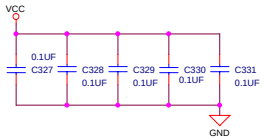
add this part to generate 2.8V or 2.0V

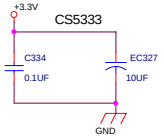


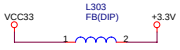


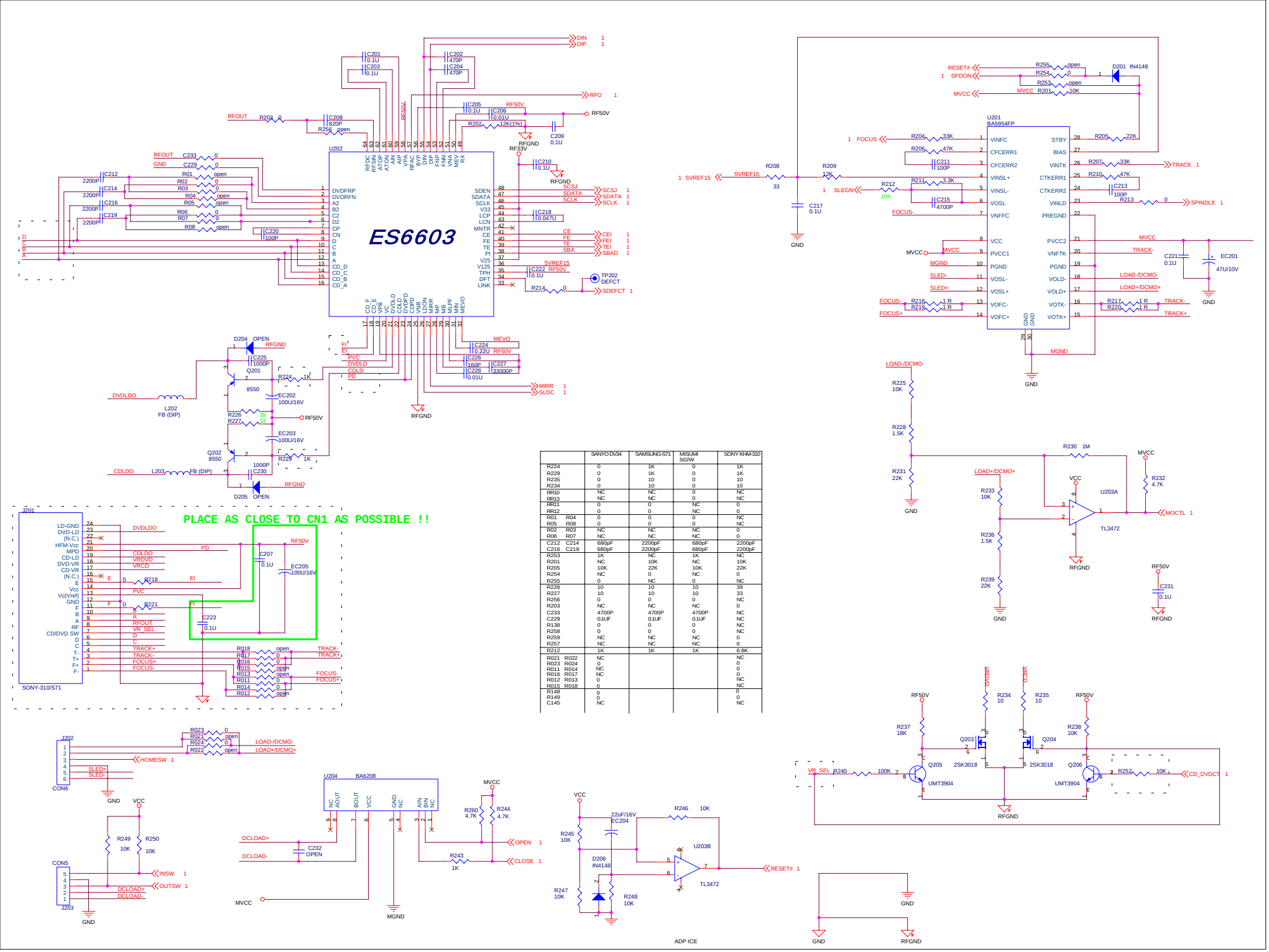






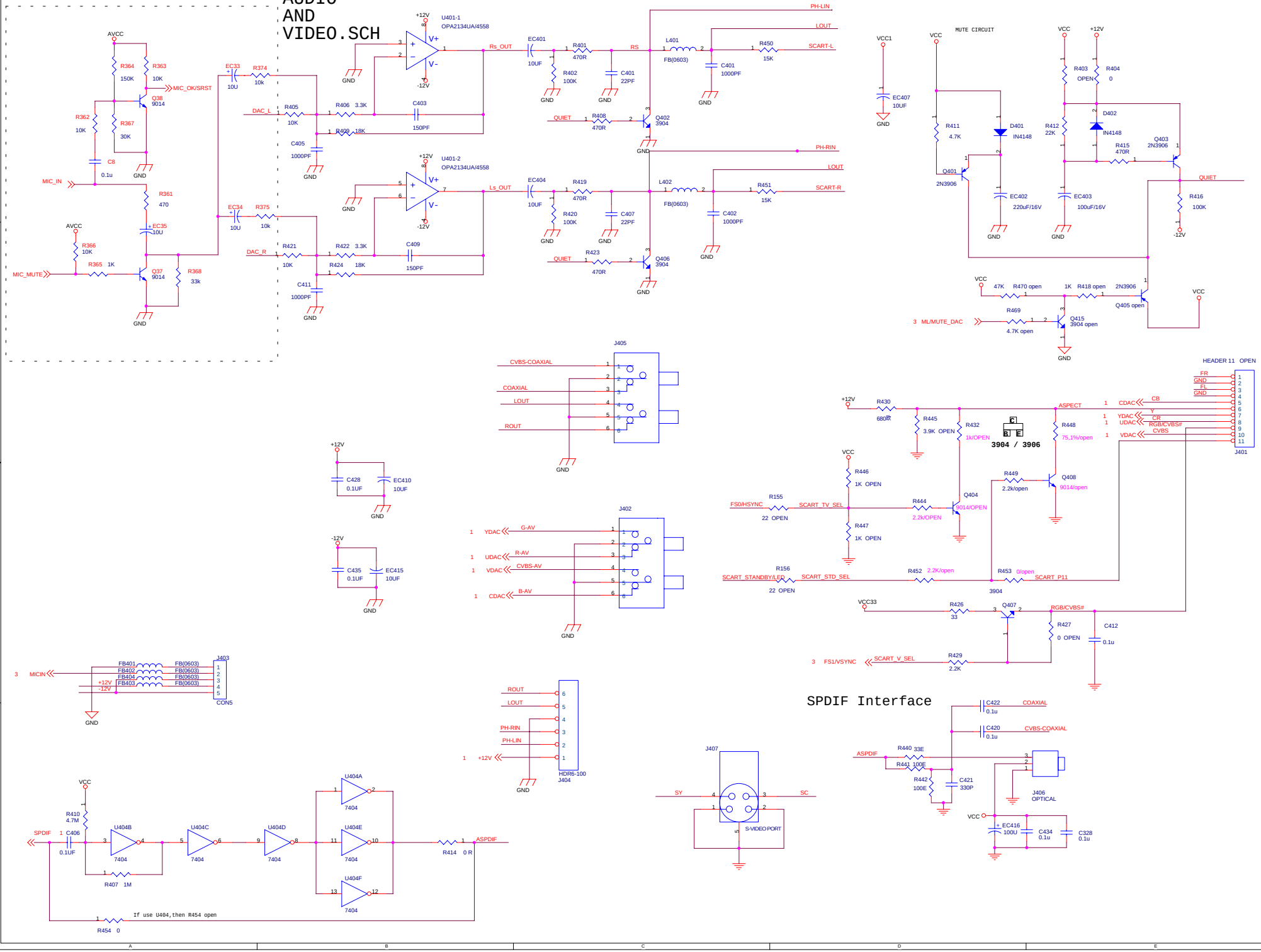




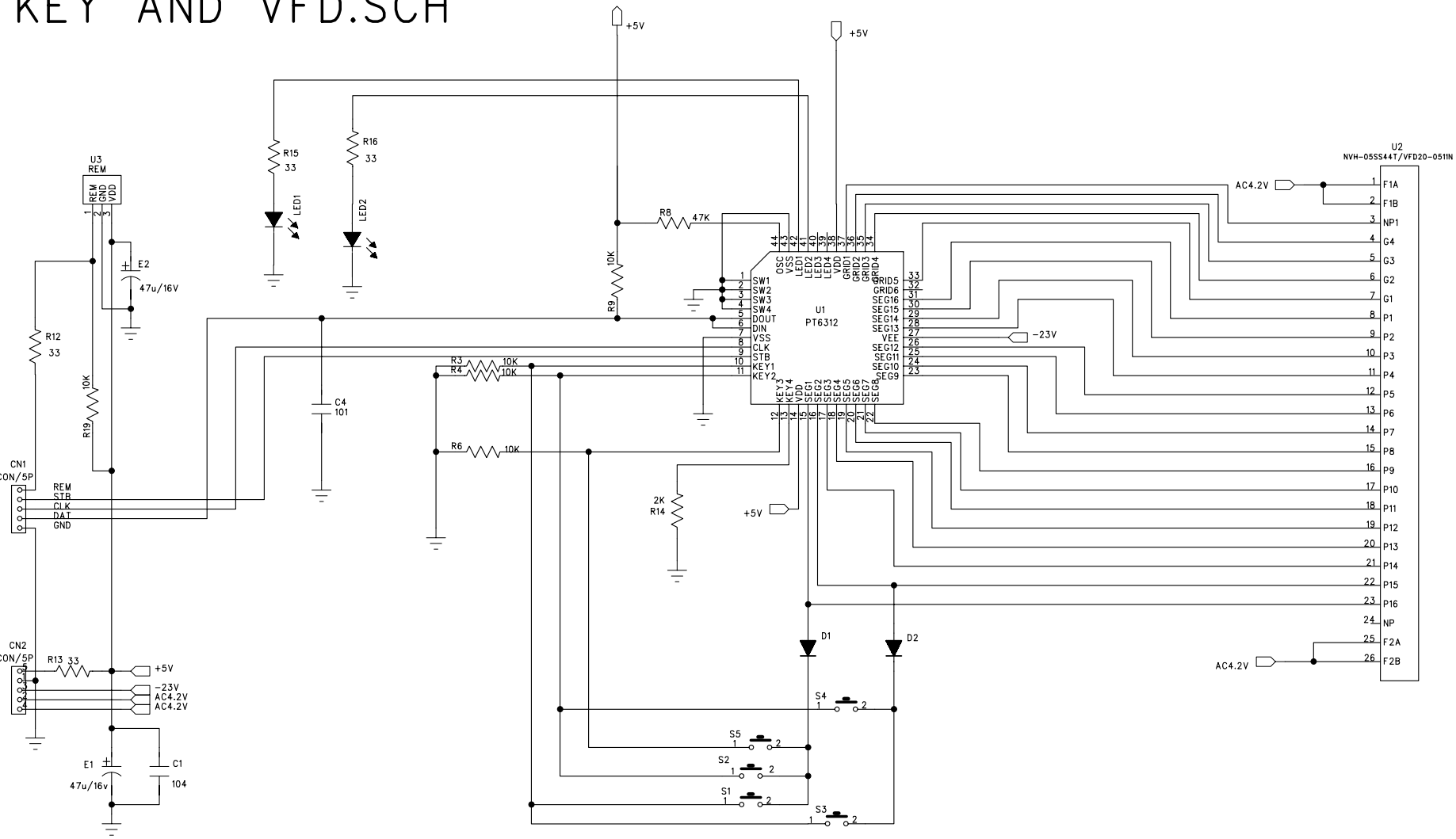


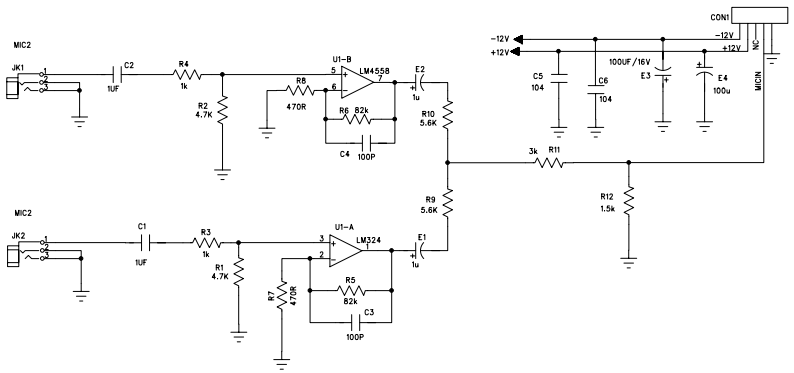
	SANYO DV34	SAMSUNG-S71	MISUMI 502W	SONY KHM-310
R224	0	1K	0	1K
R229	0	1K	0	1K
R235	0	10	0	10
R234	0	10	0	10
RR10	NC	NC	0	NC
RR13	NC	NC	0	NC
RR11	0	0	NC	0
RR12	0	0	NC	0
R01 R04	0	0	0	NC
R05 R08	0	0	0	NC
R02 R03	NC	NC	NC	0
R06 R07	NC	NC	NC	0
C212 C214	680pF	2200pF	680pF	2200pF
C216 C219	680pF	2200pF	680pF	2200pF
R253	1K	NC	1K	NC
R201	NC	10K	NC	10K
R205	10K	22K	10K	22K
R254	NC	0	NC	0
R255	0	NC	0	NC
R226	10	10	10	39
R227	10	10	10	33
R256	0	0	0	NC
R203	NC	NC	NC	0
C233	4700P	4700P	4700P	NC
C229	0.1UF	0.1UF	0.1UF	NC
R138	0	0	0	NC
R258	0	0	0	NC
R259	NC	NC	NC	0
R257	NC	NC	NC	0
R212	1K	1K	1K	6.8K
R021 R022	NC			NC
R023 R024	0			0
R011 R014	NC			0
R016 R017	NC			0
R012 R013	0			NC
R015 R018	0			NC
R148	0			0
R149	0			0
C145	NC			NC

AUDIO AND VIDEO.SCH

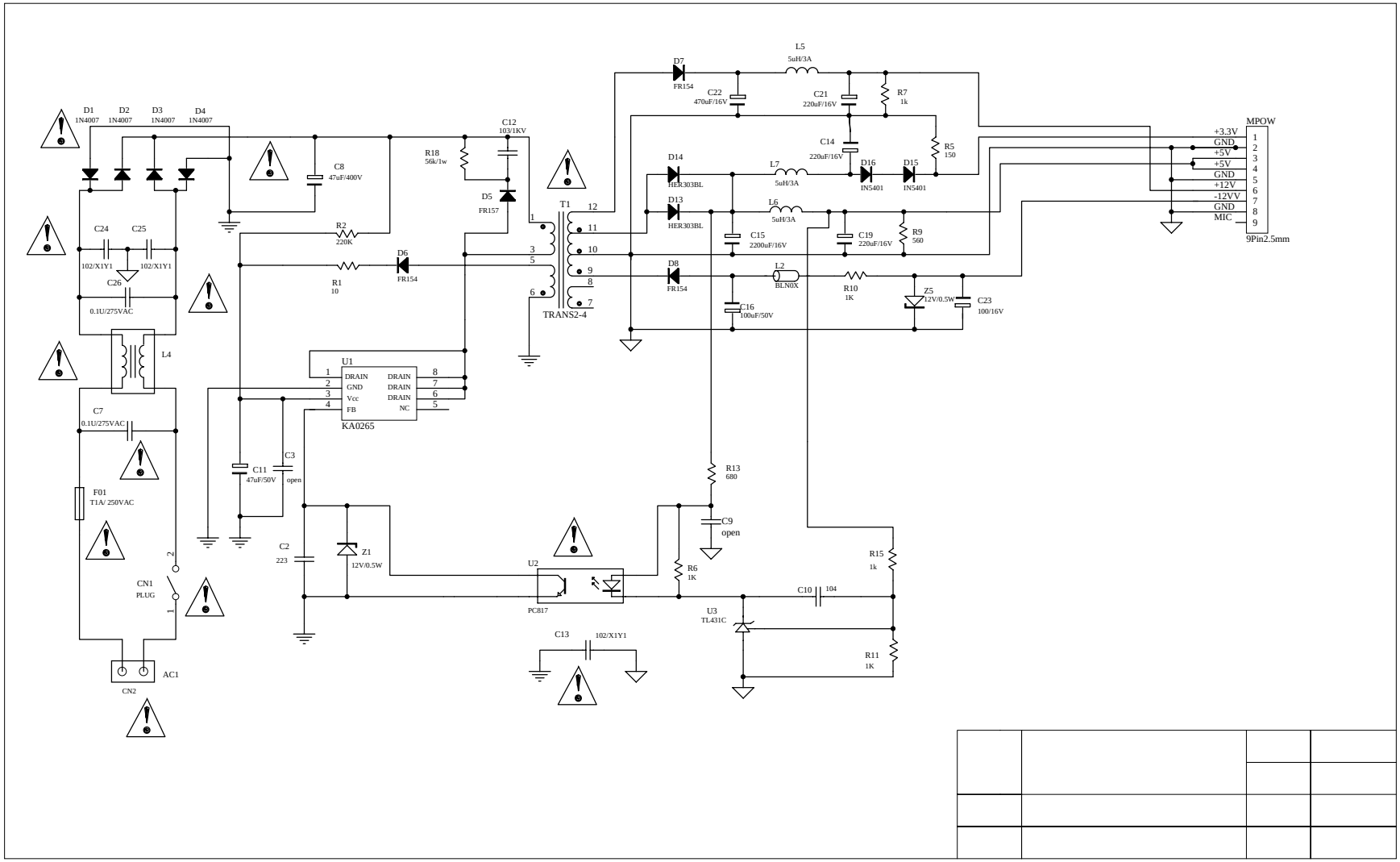


KEY AND VFD.SCH




MIC2
JK1
C2
1UF
R4
1k
R2
4.7K
U1-B
LM4558
R8
470R
R6 82k
C4
100P
E2
1u
R10
5.6K
MIC2
JK2
C1
1UF
R3
1k
R1
4.7K
U1-A
LM324
R7
470R
R5
82k
C3
100P
E1
1u
R9
5.6K
3k R11
R12
1.5k
CON1
-12V
+12V
NC
MICIN
C5
104
C6
104
100UF/16V
E3
E4
100u

MIC.sch


D1 1N4007
D2 1N4007
D3 1N4007
D4 1N4007
C8 47uF/400V
C12 103/1KV
R18 56k/1w
D5 FR157
R2 220K
D6 FR154
R1 10
T1
TRANS2-4
C24
C25
102/X1Y1
102/X1Y1
C26
0.1U/275VAC
L4
C7
0.1U/275VAC
F01 T1A/ 250VAC
CN1 PLUG
CN2
AC1
U1
DRAIN
GND
Vcc
FB
DRAIN
DRAIN
DRAIN
NC
KA0265
C11 47uF/50V
C3 open
C2 223
Z1 12V/0.5W
U2
PC817
C13 102/X1Y1
R13 680
C9 open
R6 1K
C10 104
U3 TL431C
R15 1k
R11 1K
D7 FR154
L5 5uH/3A
C22 470uF/16V
C21 220uF/16V
R7 1k
C14 220uF/16V
R5 150
D14 HER303BL
L7 5uH/3A
D16 IN5401
D15 IN5401
D13 HER303BL
L6 5uH/3A
C15 2200uF/16V
C19 220uF/16V
R9 560
D8 FR154
L2 BLN0X
R10 1K
Z5 12V/0.5W
C23 100/16V
C16 100uF/50V
MPOW
+3.3V
GND
+5V
+5V
GND
+12V
-12VV
GND
MIC
9Pin2.5mm